

FIG. 1
PRIOR ART

UNIQUE
COLORS

$$\frac{N^2 + N}{2}$$

FIG. 2

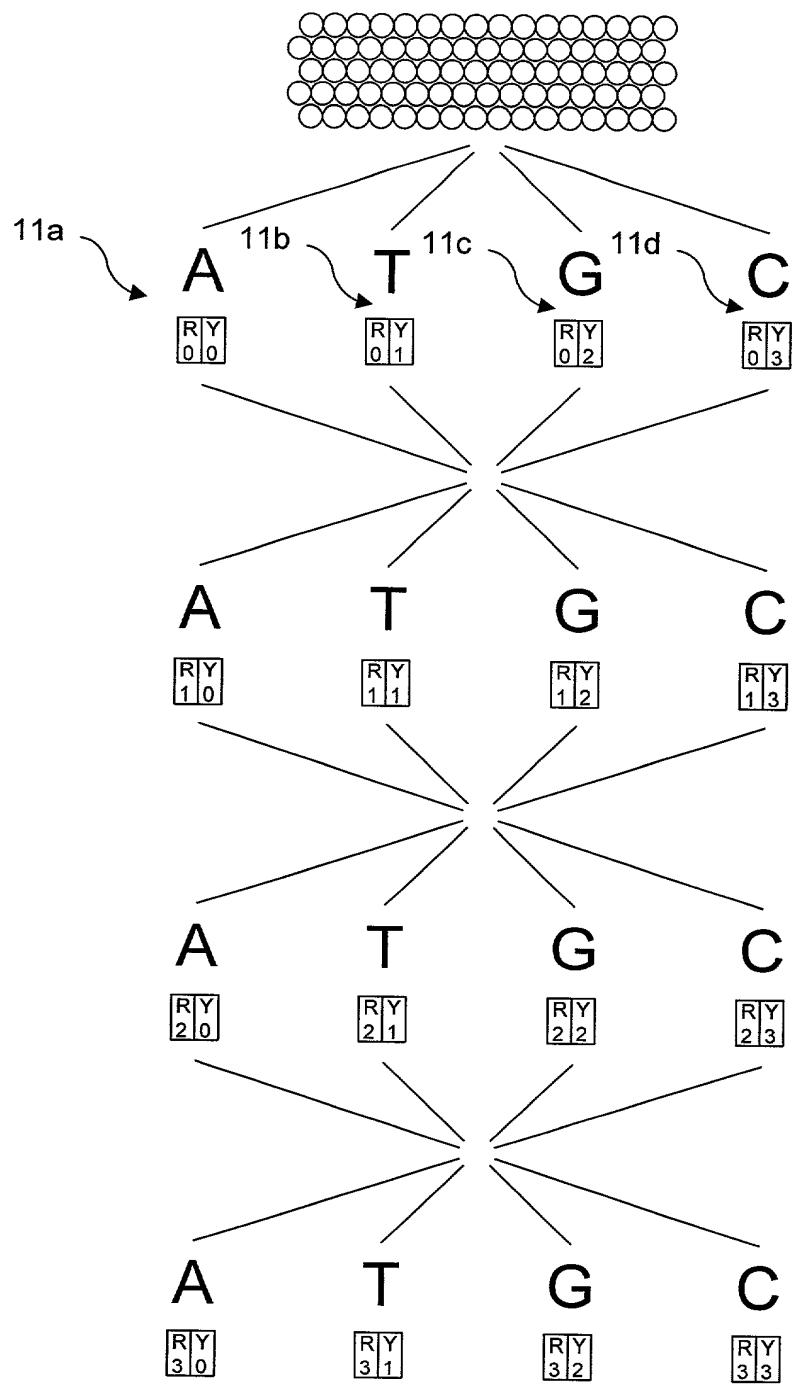


FIG. 3

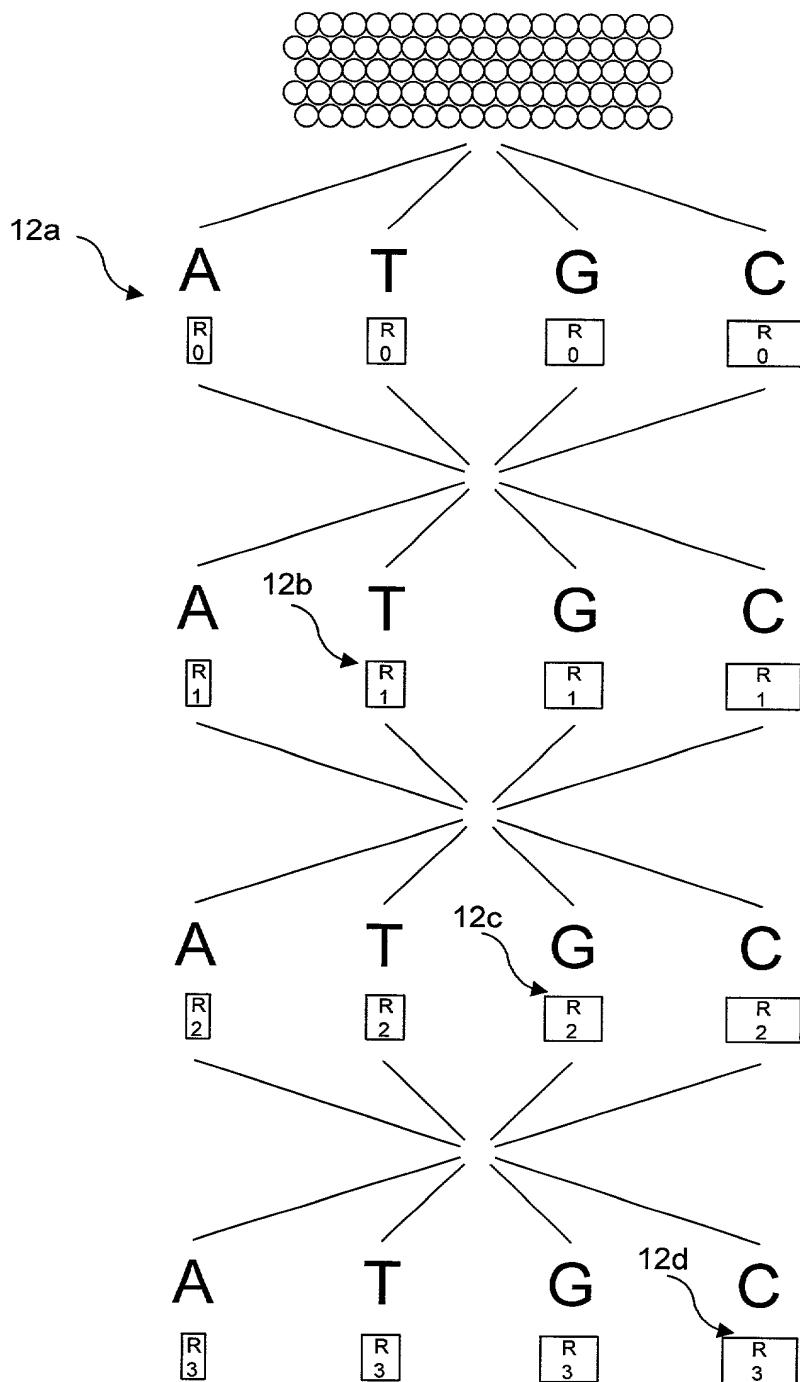


FIG. 4

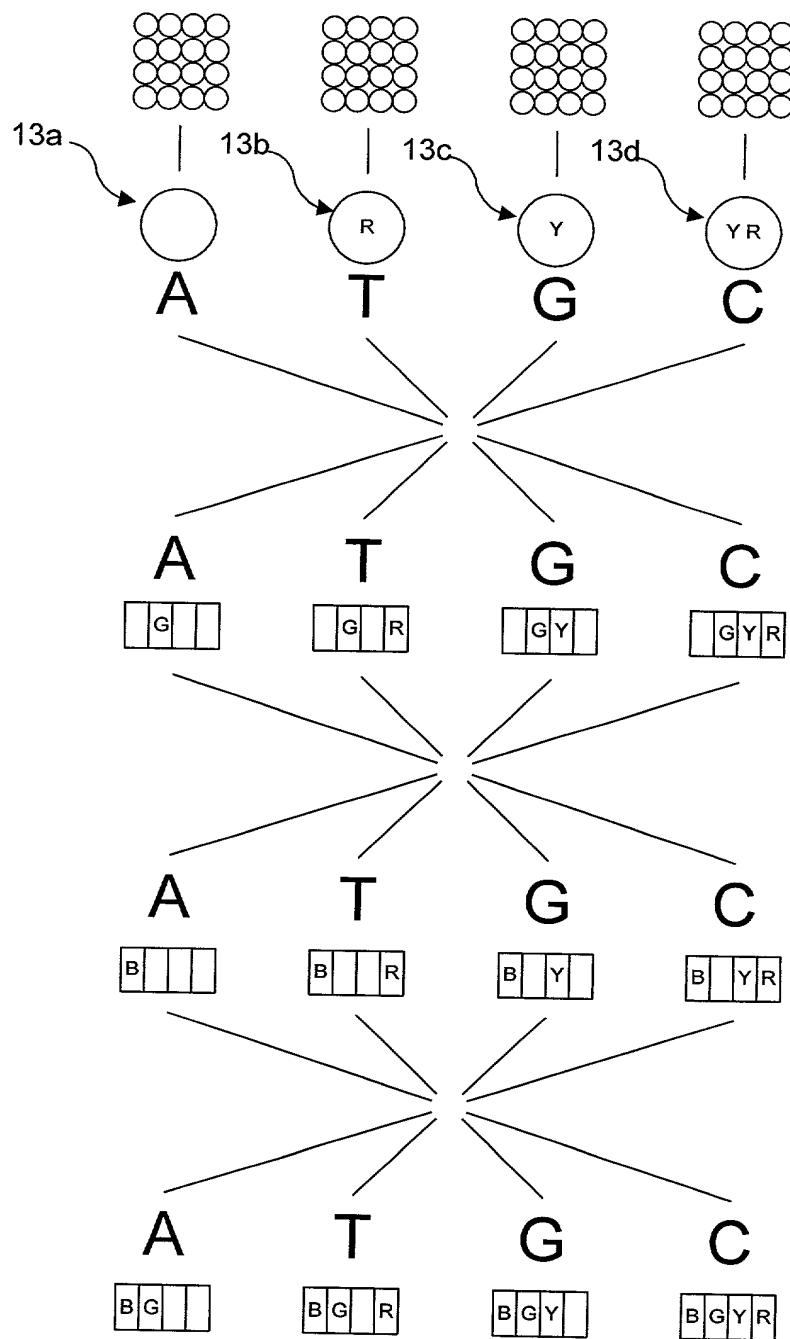


FIG. 5

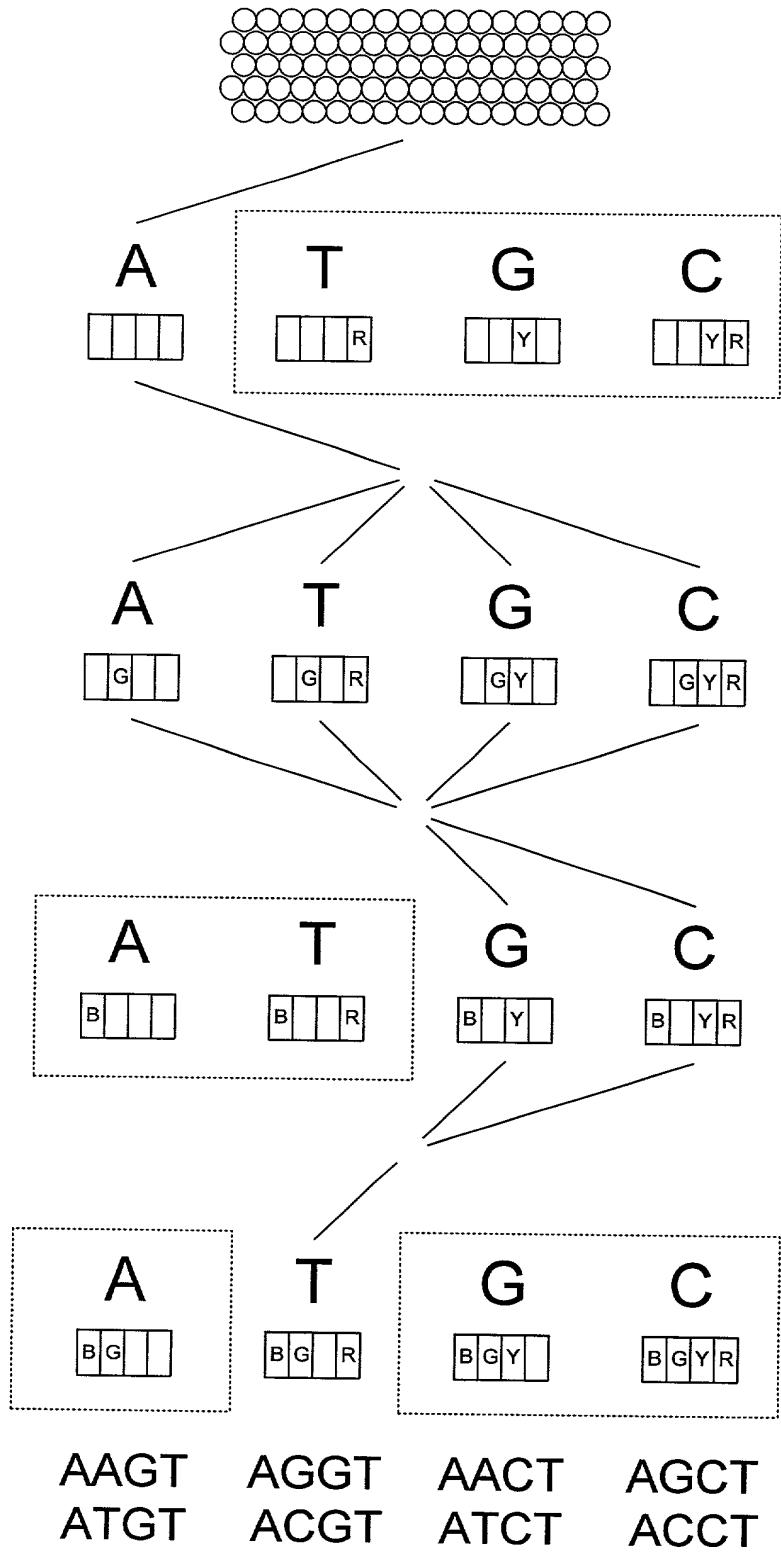


FIG. 6

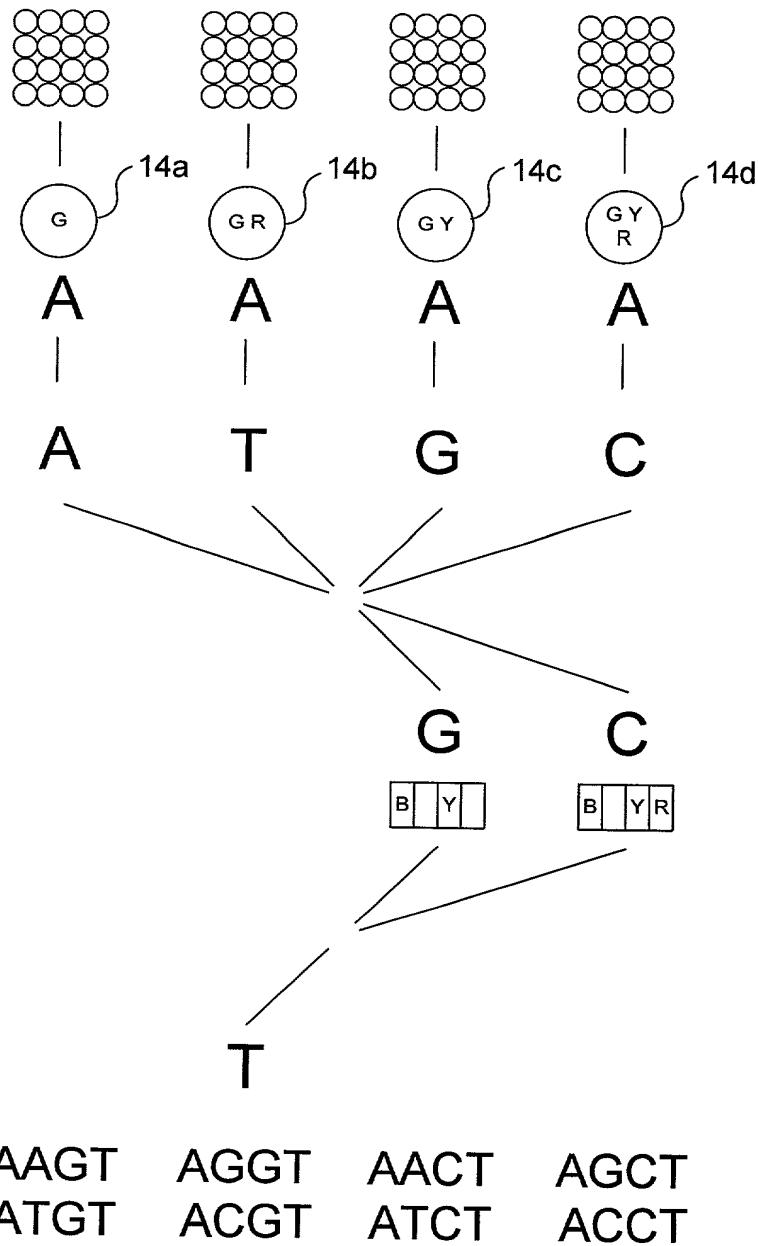
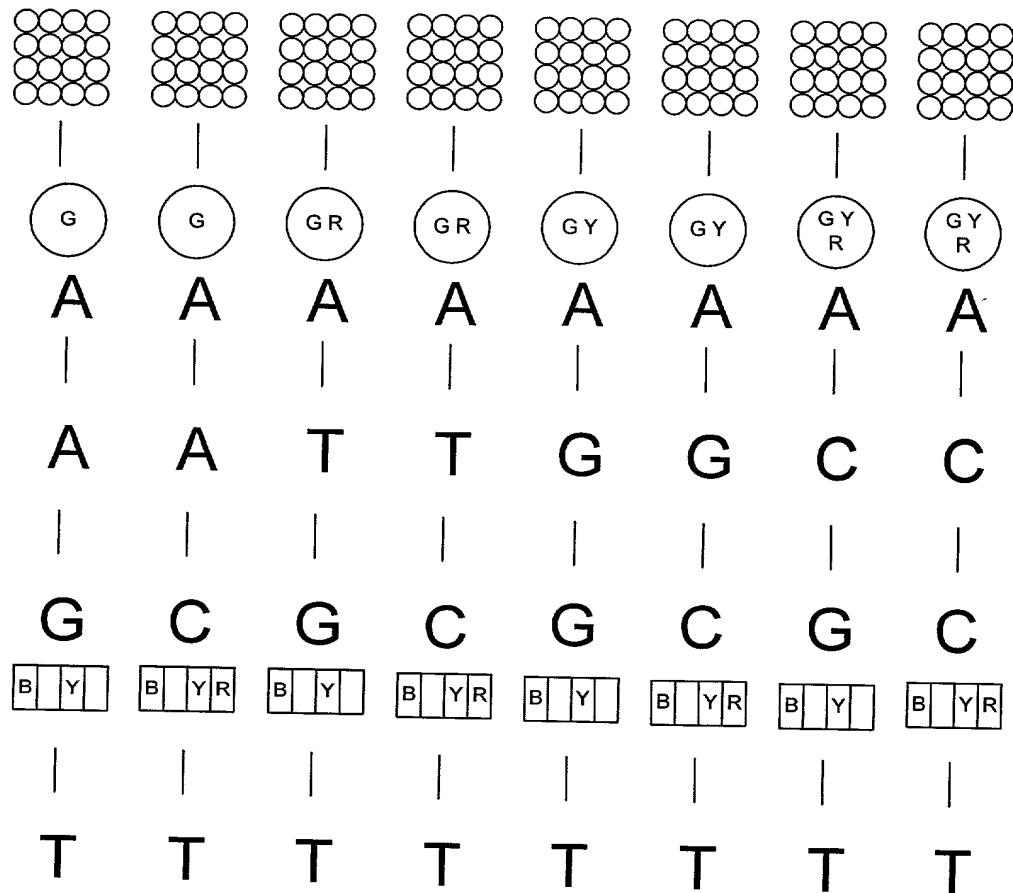
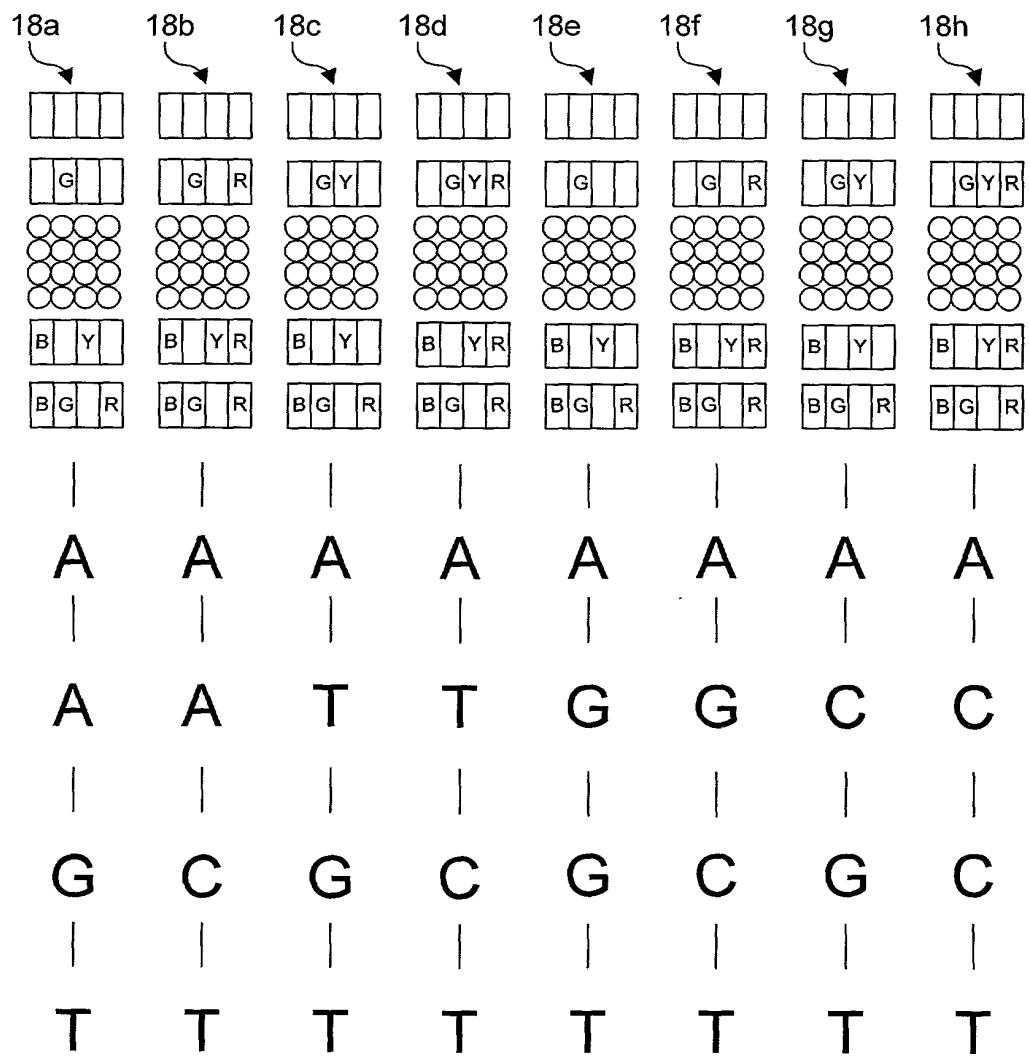


FIG. 7



AAGT AGGT AACT AGCT
 ATGT ACGT ATCT ACCT

FIG. 8



AAGT **AGGT** **AACT** **AGCT**
ATGT **ACGT** **ATCT** **ACCT**

FIG. 9

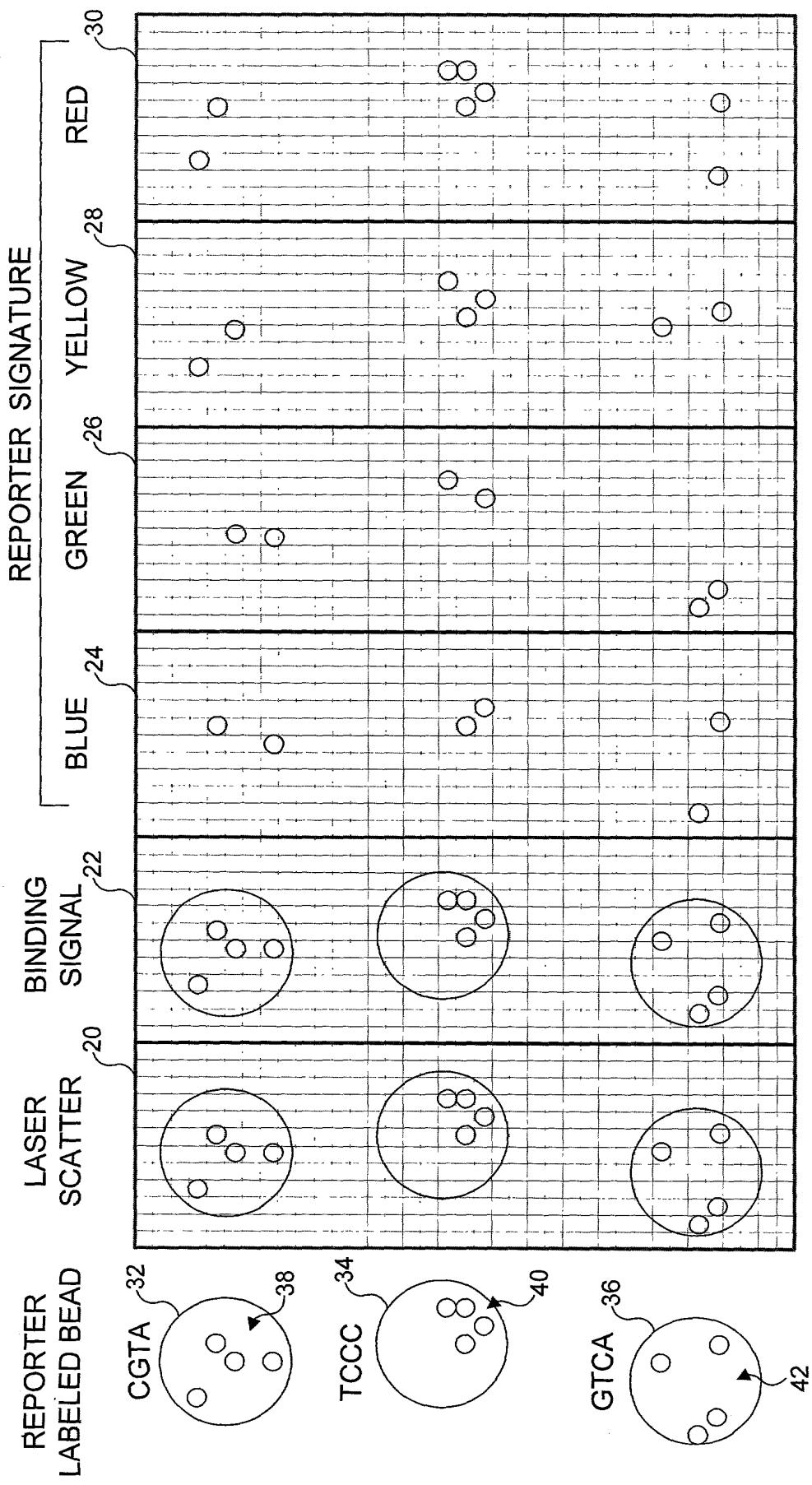


FIG. 10

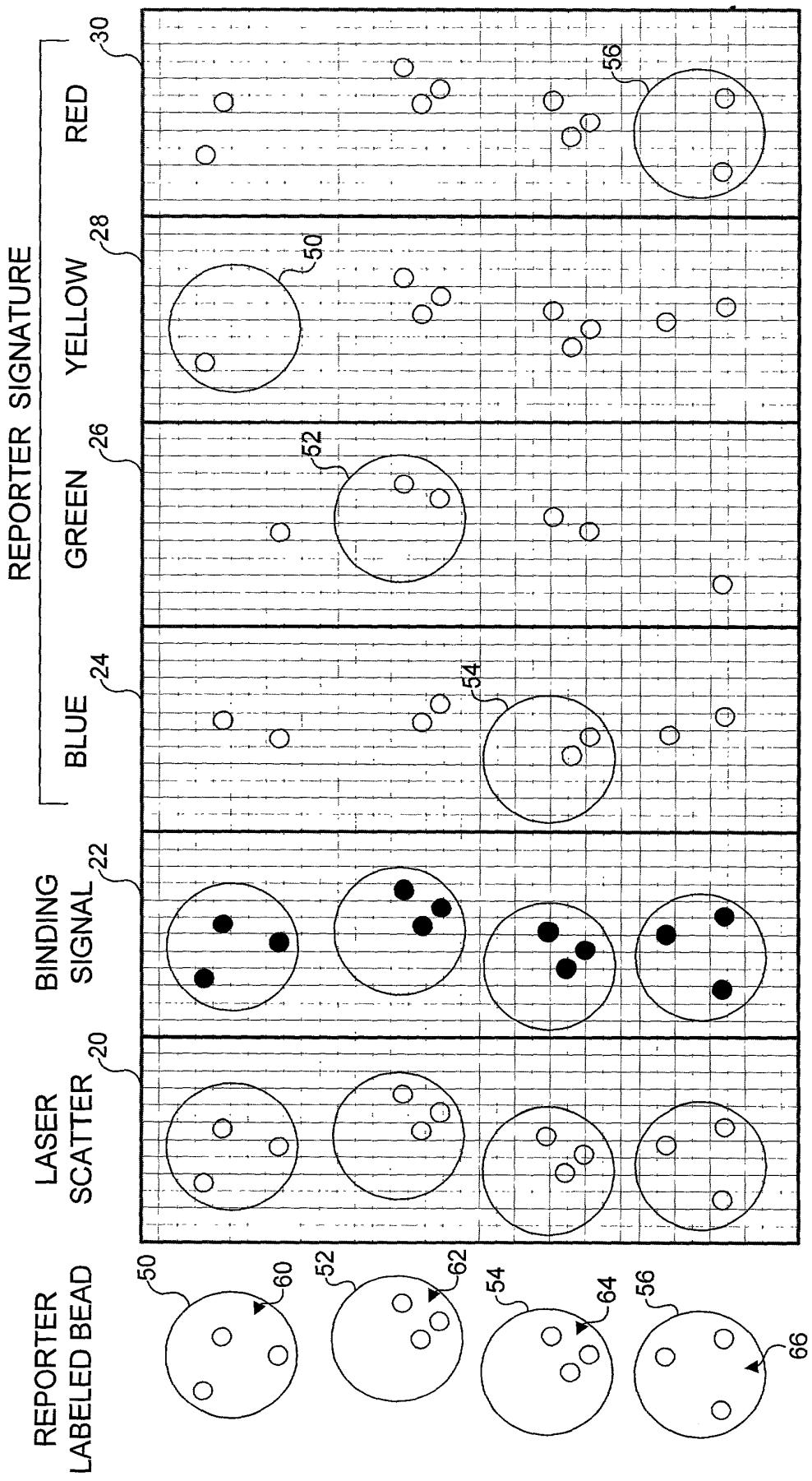


FIG. 11

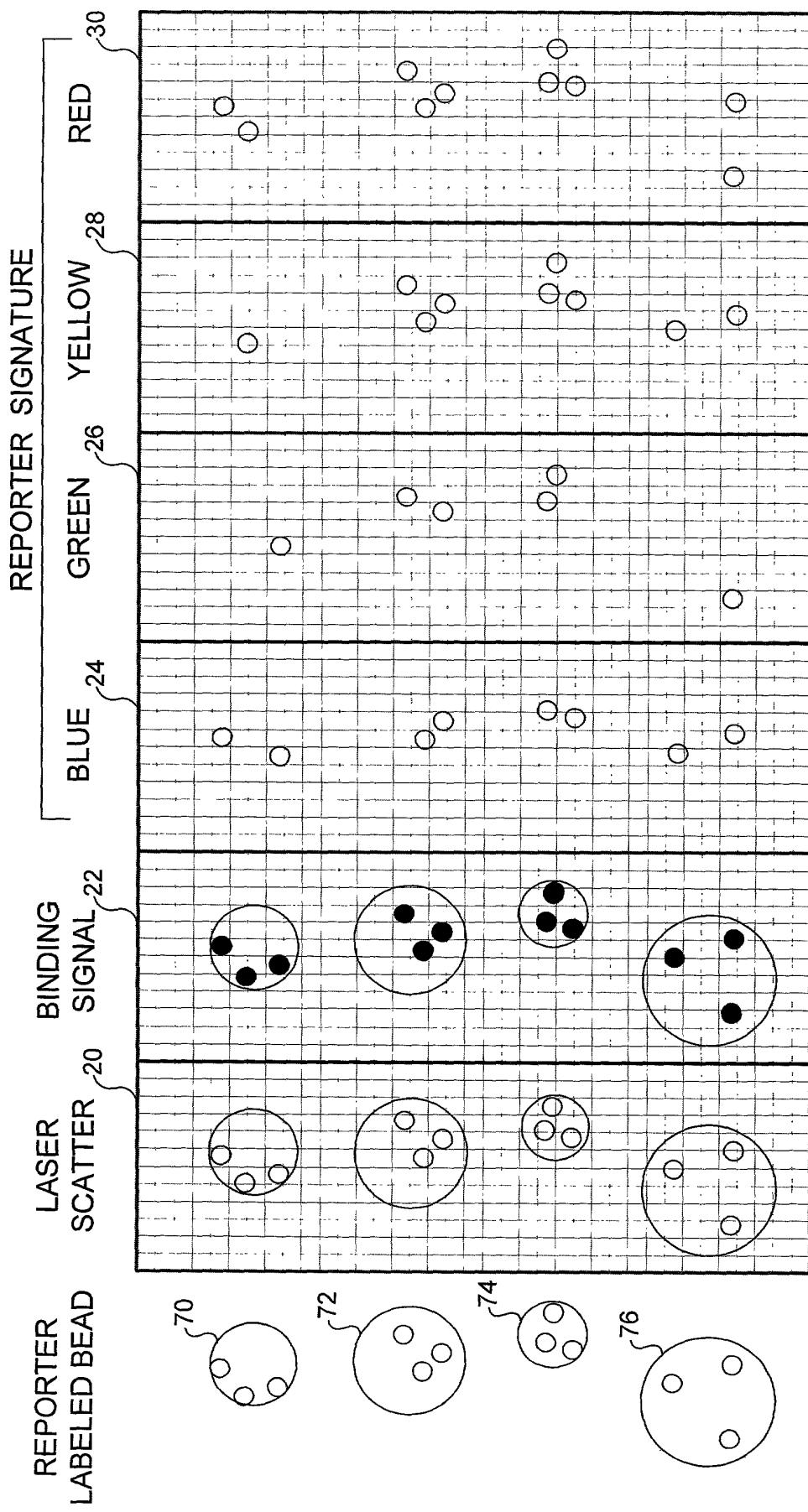


FIG. 12

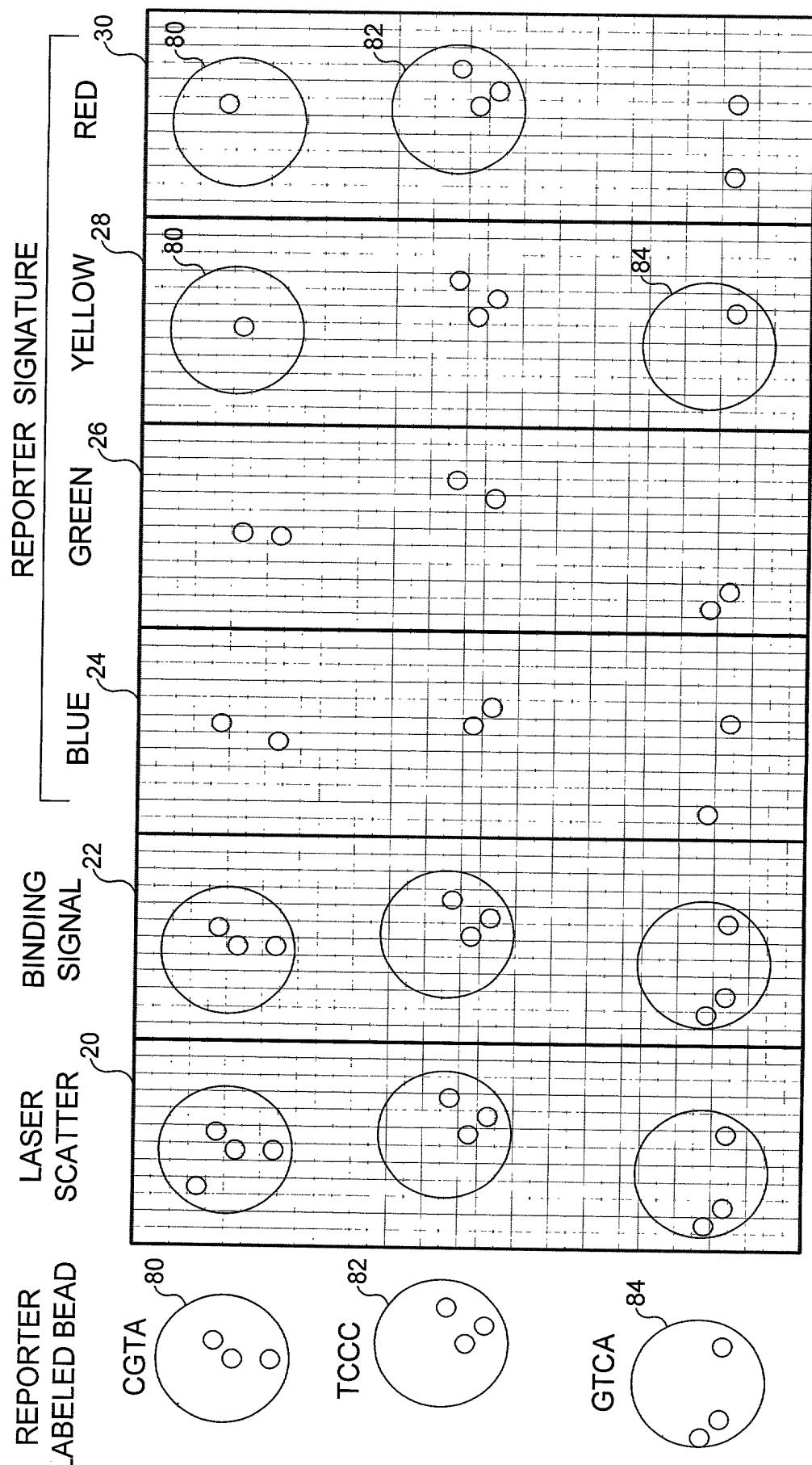


FIG. 13

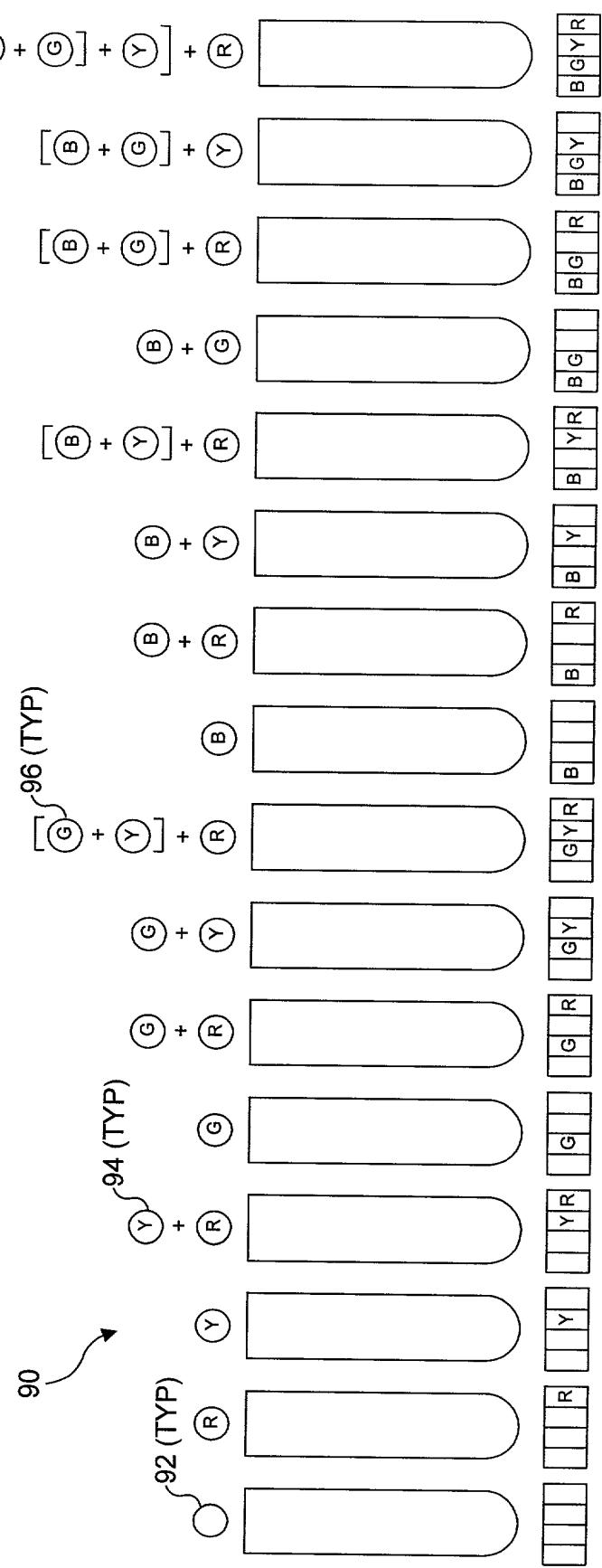


FIG. 14